```
==============================================================
Sequence Listing could not be accepted.
If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).
Reviewer: Durreshwar Anjum
Timestamp: Wed Jun 06 13:00:52 EDT 2007
==============================================================



*************************************************************
Reviewer Comments:
Seq Id 15,16,17 has an invalid response for <213>.  If <213> responses
are Aritificial or Unknown please give the source of genetic material.
The response mentioned is not sufficient.
*************************************************************
```

Application No: 10077624   Version No: 2.0

Input Set:

Output Set:

Started: 2007-06-05 17:45:55.806
Finished: 2007-06-05 17:45:57.165
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 359 ms
Total Warnings: 31
Total Errors: 0
No. of SeqIDs Defined: 31
Actual SeqID Count: 31

Error code   Error Description

W   213   Artificial or Unknown found in <213> in SEQ ID (1)

W   213   Artificial or Unknown found in <213> in SEQ ID (2)

W   213   Artificial or Unknown found in <213> in SEQ ID (3)

W   213   Artificial or Unknown found in <213> in SEQ ID (4)

W   213   Artificial or Unknown found in <213> in SEQ ID (5)

W   213   Artificial or Unknown found in <213> in SEQ ID (6)

W   213   Artificial or Unknown found in <213> in SEQ ID (7)

W   213   Artificial or Unknown found in <213> in SEQ ID (8)

W   213   Artificial or Unknown found in <213> in SEQ ID (9)

W   213   Artificial or Unknown found in <213> in SEQ ID (10)

W   213   Artificial or Unknown found in <213> in SEQ ID (11)

W   213   Artificial or Unknown found in <213> in SEQ ID (12)

W   213   Artificial or Unknown found in <213> in SEQ ID (13)

W   213   Artificial or Unknown found in <213> in SEQ ID (14)

W   213   Artificial or Unknown found in <213> in SEQ ID (15)

W   213   Artificial or Unknown found in <213> in SEQ ID (16)

W   213   Artificial or Unknown found in <213> in SEQ ID (17)

W   213   Artificial or Unknown found in <213> in SEQ ID (18)

W   213   Artificial or Unknown found in <213> in SEQ ID (19)

W   213   Artificial or Unknown found in <213> in SEQ ID (20)

```
            Input Set:


           Output Set:



             Started:    2007-06-05 17:45:55.806
            Finished:    2007-06-05 17:45:57.165
             Elapsed:    0 hr(s) 0 min(s) 1 sec(s) 359 ms
      Total Warnings:    31
        Total Errors:    0
  No. of SeqIDs Defined:  31
   Actual SeqID Count:    31
```

Error code   Error Description

                This error has occured more than 20 times, will not be displayed

<400> 1
ggatatccac catggacttc gggttgagct tggttttcct tgtccttact ttaaaaggtg   60

tccagtgtga tagccacgct aagcggcacc acggatataa gcggaagttc cacgagaagc   120

accactcgca cagaggatac tctggtggcg gtggctcggg cggaggtggg tcgggtggcg   180

gcggatccga cgtgaagctt gtggagtctg ggggaggctt agtgaaccct ggagggtccc   240

tgaaactctc ctgtgcagcc tctggattca ctttcagtag ctataccatg tcttgggttc   300

gccagactcc ggagaagagg ctggagtggg tcgcatccat tagtagtggt ggtacttaca   360

cctactatcc agacagtgtg aagggccgat tcaccatctc cagagacaat gccaagaaca   420

ccctgtacct gcaaatgacc agtctgaagt ctgaggacac agccatgtat tactgttcaa   480

gagatgacgg ctcctacggc tcctattact atgctatgga ctactggggt caaggaacct   540

cagtcaccgt ctcttcagct agc   563

<210> 2
<211> 24
<212> PRT
<213> Artificial sequence

<220>
<223> Synthesized using sequential PCR techniques

<400> 2

Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu
1   5   10   15

Lys His His Ser His Arg Gly Tyr
            20

<210> 3
<211> 16
<212> PRT
<213> Artificial sequence

<220>
<223> Synthesized using sequential PCR techniques

<400> 3

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1   5   10   15

<210> 4
<211> 165
<212> PRT
<213> Artificial sequence

<220>
<223> Synthesized using sequential PCR techniques

<400> 4

Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu
1   5   10   15

Lys His His Ser His Arg Gly Tyr Ser Gly Gly Gly Gly Ser Gly Gly
            20   25   30

Gly Gly Ser Gly Gly Gly Gly Ser Asp Val Lys Leu Val Glu Ser Gly
        35   40   45

Gly Gly Leu Val Asn Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala
    50   55   60

Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met Ser Trp Val Arg Gln Thr
65   70   75   80

Pro Glu Lys Arg Leu Glu Trp Val Ala Ser Ile Ser Ser Gly Gly Thr
                85   90   95

Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
            100   105   110

Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Thr Ser Leu Lys Ser
        115   120   125

Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg Asp Asp Gly Ser Tyr Gly
    130   135   140

Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr
145   150   155   160

Val Ser Ser Ala Ser
                165

<210>   5
<211>   533
<212>   DNA
<213>   Artificial sequence

<220>
<223>   Synthesized using squential PCR techniques

<400>   5
ggatatccac catggacttc gggttgagct tggttttcct tgtccttact ttaaaaggtg   60

tccagtgtaa gcggctgttt aaggagctca agttcagcct gcgcaagtac tctggtggcg   120

gtggctcggg cggaggtggg tcgggtggcg gcggatccga cgtgaagctt gtggagtctg   180

ggggaggctt agtgaaccct ggagggtccc tgaaactctc ctgtgcagcc tctggattca   240

ctttcagtag ctataccatg tcttgggttc gccagactcc ggagaagagg ctggagtggg   300

tcgcatccat tagtagtggt ggtacttaca cctactatcc agacagtgtg aagggccgat   360

tcaccatctc cagagacaat gccaagaaca ccctgtacct gcaaatgacc agtctgaagt   420

ctgaggacac agccatgtat tactgttcaa gagatgacgg ctcctacggc tcctattact   480

atgctatgga ctactggggt caaggaacct cagtcaccgt ctcttcagct agc   533

<210> 6
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthesized using squential PCR techniques

<400> 6

Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr
1   5   10

<210> 7
<211> 155
<212> PRT
<213> Artificial sequence

<220>
<223> Synthesized using squential PCR techniques

<400> 7

Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr Ser Gly
1   5   10   15

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Val
            20   25   30

Lys Leu Val Glu Ser Gly Gly Gly Leu Val Asn Pro Gly Gly Ser Leu
        35   40   45

Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met
    50   55   60

Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val Ala Ser
65   70   75   80

Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly
                85   90   95

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln
            100   105   110

Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg
        115   120   125

Asp Asp Gly Ser Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly

```
        130                    135                    140
```

```
Gln Gly Thr Ser Val Thr Val Ser Ser Ala Ser
145                    150                    155
```

```
<210>  8
<211>  89
<212>  DNA
<213>  Artificial sequence
```

```
<220>
<223>  Primer 986
```

```
<400>  8
caccactcgc acagaggata ctctggtggc ggtggctcgg gcggaggtgg gtcgggtggc      60
```

```
ggcggatccg acgtgaagct tgtggagtc                                        89
```

```
<210>  9
<211>  84
<212>  DNA
<213>  Artificial sequence
```

```
<220>
<223>  Primer 987
```

```
<400>  9
ggtgtccagt gtgatagcca cgctaagcgg caccacggat ataagcggaa gttccacgag      60
```

```
aagcaccact cgcacagagg atac                                            84
```

```
<210>  10
<211>  74
<212>  DNA
<213>  Artificial sequence
```

```
<220>
<223>  Primer 988
```

```
<400>  10
gatatccacc atggacttcg ggttgagctt ggttttcctt gtccttactt taaaaggtgt      60
```

```
ccagtgtgat agcc                                                       74
```

```
<210>  11
<211>  87
<212>  DNA
<213>  Artificial sequence
```

```
<220>
<223>  Primer 989
```

<400> 11

gttcagcctg cgcaagtact ctggtggcgg tggctcgggc ggaggtgggt cgggtggcgg   60

cggatccgac gtgaagcttg tggagtc   87

<210> 12
<211> 69
<212> DNA
<213> Artificial sequence

<220>
<223> Primer 990

<400> 12

gtccttactt taaaaggtgt ccagtgtaag cggctgttta aggagctcaa gttcagcctg   60

cgcaagtac   69

<210> 13
<211> 65
<212> DNA
<213> Artificial sequence

<220>
<223> Primer 991

<400> 13

ggatatccac catggacttc gggttgagct tggttttcct tgtccttact ttaaaaggtg   60

tccag   65

<210> 14
<211> 39
<212> DNA
<213> Artificial sequence

<220>
<223> Primer 452

<400> 14

tgggtcgacw gatggggstg ttgtgctagc tgaggagac   39

<210> 15
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Protegrin PG-1

<400> 15

Arg Gly Gly Arg Leu Cys Tyr Cys Arg Arg Arg Phe Cys Val Cys Val

Gly Arg

<210>   16
<211>   57
<212>   DNA
<213>   Artificial sequence

<220>
<223>   Protegrin PG-1

<400>   16
aggggaggtc gcctgtgcta ttgtaggcgt aggttctgcg tctgtgtcgg acgagga   57

<210>   17
<211>   18
<212>   PRT
<213>   Artificial sequence

<220>
<223>   Novispirin G10

<400>   17

Lys Asn Leu Arg Arg Ile Ile Arg Lys Gly Ile His Ile Ile Lys Lys
1   5   10   15

Tyr Gly

<210>   18
<211>   36
<212>   DNA
<213>   Artificial sequence

<220>
<223>   Forward primer 1

<400>   18
ggtggttgct cttccaacag gggaggtcgc ctgtgc   36

<210>   19
<211>   23
<212>   DNA
<213>   Artificial sequence

<220>
<223>   Reverse primer 2

<400> 19
ccggatcctc gtccgacaca gac   23

<210> 20
<211> 23
<212> DNA
<213> Artificial sequence

<220>
<223> Forward primer 3

<400> 20
ggggatccgg tggcggtggc tcg   23

<210> 21
<211> 26
<212> DNA
<213> Artificial sequence

<220>
<223> Reverse primer 4

<400> 21
aacatcgata gatccgccgc cacccg   26

<210> 22
<211> 23
<212> DNA
<213> Artificial sequence

<220>
<223> Forward primer 5

<400> 22
ggatcgatgt tgtgatgacc cag   23

<210> 23
<211> 31
<212> DNA
<213> Artificial sequence

<220>
<223> Reverse primer 6

<400> 23
gcgggtcgac cgacttacgt ttcagctcca g   31

<210> 24
<211> 29
<212> DNA
<213> Artificial sequence

<220>
<223> Forward primer 7

<400> 24
gcgggtcgac gtgaagctgg tggagtctg   29

<210> 25
<211> 30
<212> DNA
<213> Artificial sequence

<220>
<223> Reverse primer 8

<400> 25
gggtgttgag ctagctgaag agacggtgac   30

<210> 26
<211> 24
<212> PRT
<213> Artificial sequence

<220>
<223> Linker 2

<400> 26

Leu Asp Pro Lys Ser Cys Glu Arg Ser His Ser Cys Pro Pro Cys Gly
1   5   10   15

Gly Gly Ser Gly Gly Gly Thr Ser
            20

<210> 27
<211> 72
<212> DNA
<213> Artificial sequence

<220>
<223> Linker 2

<400> 27
ctcgacccaa agagctgcga gcggagccac agctgcccac cgtgcggggg tgggtccggc   60

ggtggcacta gt   72

<210> 28
<211> 28
<212> DNA
<213> Artificial sequence

<220>

<223> Forward primer 9

<400> 28
gtgggctagc ctcgacccaa agagctgc   28

<210> 29
<211> 38
<212> DNA
<213> Artificial sequence

<220>
<223> Reverse primer 10

<400> 29
aggttctcgg ggctgcccac tagtgccacc gccggacc   38

<210> 30
<211> 19
<212> DNA
<213> Artificial sequence

<220>
<223> Forward primer 11

<400> 30
gggcagcccc gagaacaac   19

<210> 31
<211> 33
<212> DNA
<213> Artificial sequence

<220>
<223> Reverse primer 12

<400> 31
ggtggtctgc agtttacccg gggacaggga gag   33